Minnesota Native Plant Community Classification
Systems, Classes, Types, and Subtypes
January 2005

Class Code   **Class Name**

   Type Code   Type Name

     Subtype Code   *Subtype Name*

Upland Forests and Woodlands

Fire-Dependent Forest/Woodland System

FDn12	**Northern Dry-Sand Pine Woodland**	
FDn12a	Jack Pine Woodland (Sand)	
FDn12b	Red Pine Woodland (Sand)	
FDn22	**Northern Dry-Bedrock Pine (Oak) Woodland**	
FDn22a	Jack Pine Woodland (Bedrock)	
FDn22b	Red Pine - White Pine Woodland (Northeastern Bedrock)	
FDn22c	Pin Oak Woodland (Bedrock)	
FDn22d	Red Pine - White Pine Woodland (Eastcentral Bedrock)	
FDn32	**Northern Poor Dry-Mesic Mixed Woodland**	
FDn32a	Red Pine - White Pine Woodland (Canadian Shield)	
FDn32b	Red Pine - White Pine Woodland (Minnesota Point)	
FDn32c	Black Spruce - Jack Pine Woodland	
FDn32c1	*Jack Pine - Balsam Fir Subtype*	
FDn32c2	*Black Spruce - Feathermoss Subtype*	
FDn32c3	*Jack Pine - Black Spruce - Aspen Subtype*	
FDn32d	Jack Pine - Black Spruce Woodland (Sand)	
FDn32e	Spruce - Fir Woodland (North Shore)	
FDn33	**Northern Dry-Mesic Mixed Woodland**	
FDn33a	Red Pine - White Pine Woodland	
FDn33a1	*Balsam Fir Subtype*	
FDn33a2	*Mountain Maple Subtype*	
FDn33b	Aspen - Birch Woodland	
FDn33c	Black Spruce Woodland	
FDn43	**Northern Mesic Mixed Forest**	
FDn43a	White Pine - Red Pine Forest	
FDn43b	Aspen - Birch Forest	
FDn43b1	*Balsam Fir Subtype*	
FDn43b2	*Hardwood Subtype*	
FDn43c	Upland White Cedar Forest	
FDc12	**Central Poor Dry Pine Woodland**	
FDc12a	Jack Pine - (Bearberry) Woodland	
FDc23	**Central Dry Pine Woodland**	
FDc23a	Jack Pine - (Yarrow) Woodland	
FDc23a1	*Ericaceous Shrub Subtype*	
FDc23a2	*Bur Oak - Aspen Subtype*	

FDc24	**Central Rich Dry Pine Woodland**	
FDc24a	Jack Pine - (Bush Honeysuckle) Woodland	
FDc24a1	*Bracken Subtype*	
FDc24a2	*Bur Oak - Carrion-Flower Subtype*	
FDc25	**Central Dry Oak-Aspen (Pine) Woodland**	
FDc25a	Jack Pine - Oak Woodland	
FDc25b	Oak - Aspen Woodland	
FDc34	**Central Dry-Mesic Pine-Hardwood Forest**	
FDc34a	Red Pine - White Pine Forest	
FDc34b	Oak - Aspen Forest	
FDs27	**Southern Dry-Mesic Pine-Oak Woodland**	
FDs27a	Jack Pine - Oak Woodland (Sand)	
FDs27b	White Pine - Oak Woodland (Sand)	
FDs27c	Black Oak - White Oak Woodland (Sand)	
FDs36	**Southern Dry-Mesic Oak-Aspen Forest**	
FDs36a	Bur Oak - Aspen Forest	
FDs37	**Southern Dry-Mesic Oak (Maple) Woodland**	
FDs37a	Oak - (Red Maple) Woodland	
FDs37b	Pin Oak - Bur Oak Woodland	
FDs38	**Southern Dry-Mesic Oak-Hickory Woodland**	
FDs38a	Oak - Shagbark Hickory Woodland	
FDw24	**Northwestern Dry-Mesic Oak Woodland**	
FDw24a	Bur Oak - (Prairie Herb) Woodland	
FDw24b	Bur Oak - (Forest Herb) Woodland	
FDw34	**Northwestern Mesic Aspen-Oak Woodland**	
FDw34a	Aspen - (Prairie Herb) Woodland	
FDw34b	Aspen - (Beaked Hazel) Woodland	
FDw44	**Northwestern Wet-Mesic Aspen Woodland**	
FDw44a	Aspen - (Cordgrass) Woodland	
FDw44b	Aspen - (Chokecherry) Woodland	

Mesic Hardwood Forest System

MHn35	**Northern Mesic Hardwood Forest**	
MHn35a	Aspen - Birch - Basswood Forest	
MHn35b	Red Oak - Sugar Maple - Basswood - (Bluebead Lily) Forest	
MHn44	**Northern Wet-Mesic Boreal Hardwood-Conifer Forest**	
MHn44a	Aspen - Birch - Red Maple Forest	
MHn44b	White Pine - White Spruce - Paper Birch Forest	
MHn44c	Aspen - Fir Forest	
MHn44d	Aspen - Birch - Fir Forest	
MHn45	**Northern Mesic Hardwood (Cedar) Forest**	
MHn45a	Paper Birch - Sugar Maple Forest (North Shore)	
MHn45b	White Cedar - Yellow Birch Forest	
MHn45c	Sugar Maple Forest (North Shore)	
MHn46	**Northern Wet-Mesic Hardwood Forest**	
MHn46a	Aspen - Ash Forest	
MHn46b	Black Ash - Basswood Forest	
MHn47	**Northern Rich Mesic Hardwood Forest**	
MHn47a	Sugar Maple - Basswood - (Bluebead Lily) Forest	
MHn47b	Sugar Maple - Basswood - (Horsetail) Forest	
MHc26	**Central Dry-Mesic Oak-Aspen Forest**	
MHc26a	Oak - Aspen - Red Maple Forest	
MHc26b	Red Oak - Sugar Maple - Basswood - (Large-Flowered Trillium) Forest	
MHc36	**Central Mesic Hardwood Forest (Eastern)**	
MHc36a	Red Oak - Basswood Forest (Noncalcareous Till)	
MHc36b	Red Oak - Basswood Forest (Calcareous Till)	

MHc37	**Central Mesic Hardwood Forest (Western)**	
MHc37a	Aspen - (Sugar Maple - Basswood) Forest	
MHc37b	Sugar Maple - Basswood - (Aspen) Forest	
MHc38	**Central Mesic Cold-Slope Hardwood-Conifer Forest**	
MHc38a	White Pine - Sugar Maple - Basswood Forest (Cold Slope)	
MHc47	**Central Wet-Mesic Hardwood Forest**	
MHc47a	Basswood - Black Ash Forest	
MHs37	**Southern Dry-Mesic Oak Forest**	
MHs37a	Red Oak - White Oak Forest	
MHs37b	Red Oak - White Oak - (Sugar Maple) Forest	
MHs38	**Southern Mesic Oak-Basswood Forest**	
MHs38a	White Pine - Oak - Sugar Maple Forest	
MHs38b	Basswood - Bur Oak - (Green Ash) Forest	
MHs38c	Red Oak - Sugar Maple - Basswood - (Bitternut Hickory) Forest	
MHs39	**Southern Mesic Maple-Basswood Forest**	
MHs39a	Sugar Maple - Basswood - (Bitternut Hickory) Forest	
MHs39b	Sugar Maple - Basswood - Red Oak - (Blue Beech) Forest	
MHs39c	Sugar Maple Forest (Big Woods)	
MHs49	**Southern Wet-Mesic Hardwood Forest**	
MHs49a	Elm - Basswood - Black Ash - (Hackberry) Forest	
MHs49b	Elm - Basswood - Black Ash - (Blue Beech) Forest	
MHw36	**Northwestern Wet-Mesic Hardwood Forest**	
MHw36a	Green Ash - Bur Oak - Elm Forest	

Wetland Forests

Floodplain Forest System

FFn57	**Northern Terrace Forest**		**FFs59**	**Southern Terrace Forest**
FFn57a	Black Ash - Silver Maple Terrace Forest		FFs59a	Silver Maple - Green Ash - Cottonwood Terrace Forest
FFn67	**Northern Floodplain Forest**		FFs59b	Swamp White Oak Terrace Forest
FFn67a	Silver Maple - (Sensitive Fern) Floodplain Forest		FFs59c	Elm - Ash - Basswood Terrace Forest
			FFs68	**Southern Floodplain Forest**
			FFs68a	Silver Maple - (Virginia Creeper) Floodplain Forest

Wet Forest System

WFn53	**Northern Wet Cedar Forest**		**WFs55**	**Southern Wet Aspen Forest**
WFn53a	Lowland White Cedar Forest (North Shore)		WFs55a	Lowland Aspen Forest
WFn53b	Lowland White Cedar Forest (Northern)		**WFs57**	**Southern Wet Ash Swamp**
WFn55	**Northern Wet Ash Swamp**		WFs57a	Black Ash - (Red Maple) Seepage Swamp
WFn55a	Black Ash - Aspen - Balsam Poplar Swamp (Northeastern)		WFs57b	Black Ash - Sugar Maple - Basswood - (Blue Beech) Seepage Swamp
WFn55b	Black Ash - Yellow Birch - Red Maple - Basswood Swamp (Eastcentral)			
WFn55c	Black Ash - Mountain Maple Swamp (Northern)		**WFw54**	**Northwestern Wet Aspen Forest**
WFn64	**Northern Very Wet Ash Swamp**		WFw54a	Lowland Black Ash - Aspen - Balsam Poplar Forest
WFn64a	Black Ash - Conifer Swamp (Northeastern)			
WFn64b	Black Ash - Yellow Birch - Red Maple - Alder Swamp (Eastcentral)			
WFn64c	Black Ash - Alder Swamp (Northern)			

Forested Rich Peatland System

FPn62	**Northern Rich Spruce Swamp (Basin)**		**FPn82**	**Northern Rich Tamarack Swamp (Western Basin)**
FPn62a	Rich Black Spruce Swamp (Basin)		FPn82a	Rich Tamarack - (Alder) Swamp
FPn63	**Northern Cedar Swamp**		FPn82b	Extremely Rich Tamarack Swamp
FPn63a	White Cedar Swamp (Northeastern)			
FPn63b	White Cedar Swamp (Northcentral)		**FPs63**	**Southern Rich Conifer Swamp**
FPn63c	White Cedar Swamp (Northwestern)		FPs63a	Tamarack Swamp (Southern)
FPn71	**Northern Rich Spruce Swamp (Water Track)**			
FPn71a	Rich Black Spruce Swamp (Water Track)		**FPw63**	**Northwestern Rich Conifer Swamp**
FPn72	**Northern Rich Tamarack Swamp (Eastern Basin)**		FPw63a	Tamarack - Black Spruce Swamp (Aspen Parkland)
FPn72a	Rich Tamarack Swamp (Eastcentral)		FPw63b	Tamarack Seepage Swamp (Aspen Parkland)
FPn81	**Northern Rich Tamarack Swamp (Water Track)**			
FPn81a	Rich Tamarack (Sundew - Pitcher Plant) Swamp			

Acid Peatland System

APn80	**Northern Spruce Bog**		**APn81**	**Northern Poor Conifer Swamp**
APn80a	Black Spruce Bog		APn81a	Poor Black Spruce Swamp
APn80a1	*Treed Subtype*		APn81b	Poor Tamarack - Black Spruce Swamp
APn80a2	*Semi-Treed Subtype*		*APn81b1*	*Black Spruce Subtype*
			APn81b2	*Tamarack Subtype*

Upland Grasslands, Shrublands, and Sparse Vegetation

Cliff/Talus System

CTn11	**Northern Dry Cliff**		**CTu22**	**Lake Superior Cliff**
CTn11a	Dry Mafic Cliff (Northern)		CTu22a	Exposed Mafic Cliff (Lake Superior)
CTn11b	Dry Rove Cliff (Northern)		CTu22b	Exposed Felsic Cliff (Lake Superior)
CTn11c	Dry Thomson Cliff (Northern)		CTu22c	Sheltered Mafic Cliff (Lake Superior)
CTn11d	Dry Felsic Cliff (Northern)			
CTn11e	Dry Sandstone Cliff (Northern)		**CTs12**	**Southern Dry Cliff**
CTn12	**Northern Open Talus**		CTs12a	Dry Sandstone Cliff (Southern)
CTn12a	Dry Open Talus (Northern)		CTs12b	Dry Limestone - Dolomite Cliff (Southern)
CTn12b	Mesic Open Talus (Northern)		CTs12c	Dry Sioux Quartzite Clff (Southern)
CTn24	**Northern Scrub Talus**		**CTs23**	**Southern Open Talus**
CTn24a	Dry Scrub Talus (Northern)		CTs23a	Dry Limestone - Dolomite Talus (Southern)
CTn24b	Mesic Scrub Talus (Northern)		CTs23b	Mesic Limestone - Dolomite Talus (Southern)
CTn32	**Northern Mesic Cliff**		**CTs33**	**Southern Mesic Cliff**
CTn32a	Mesic Mafic Cliff (Northern)		CTs33a	Mesic Sandstone Cliff (Southern)
CTn32b	Mesic Rove Cliff (Northern)		CTs33b	Mesic Limestone - Dolomite Cliff (Southern)
CTn32c	Mesic Thomson Cliff (Northern)		**CTs43**	**Southern Maderate Cliff**
CTn32d	Mesic Felsic Cliff (Northern)		CTs43a	Maderate Cliff
CTn32e	Mesic Sandstone Cliff (Northern)		*CTs43a1*	*Limestone Subtype*
CTn42	**Northern Wet Cliff**		*CTs43a2*	*Dolomite Subtype*
CTn42a	Wet Mafic Cliff (Northern)		**CTs46**	**Southern Algific Talus**
CTn42b	Wet Rove Cliff (Northern)		CTs46a	Algific Talus
CTn42c	Wet Felsic Cliff (Northern)		*CTs46a1*	*Limestone Subtype*
CTn42d	Wet Sandstone Cliff (Northern)		*CTs46a2*	*Dolomite Subtype*
			CTs53	**Southern Wet Cliff**
			CTs53a	Wet Sandstone Cliff (Southern)
			CTs53b	Wet Limestone - Dolomite Cliff (Southern)

Rock Outcrop System

ROn12	**Northern Bedrock Outcrop**		**ROs12**	**Southern Bedrock Outcrop**	
ROn12a	Sandstone Outcrop (Northern)		ROs12a	Crystalline Bedrock Outcrop (Prairie)	
ROn12b	Crystalline Bedrock Outcrop (Northern)		*ROs12a1*	*Minnesota River Subtype*	
ROn23	**Northern Bedrock Shrubland**		*ROs12a2*	*Sioux Quartzite Subtype*	
ROn23a	Bedrock Shrubland (Inland)		ROs12b	Crystalline Bedrock Outcrop (Transition)	
ROn23b	Bedrock Shrubland (Lake Superior)		ROs12c	Sedimentary Bedrock Outcrop (Southeast)	
			ROs12c1	*Sandstone Subtype*	
			ROs12c2	*Limestone-Dolomite Subtype*	

Lake Shore System

LKi32	**Inland Lake Sand/Gravel/Cobble Shore**		**LKu32**	**Lake Superior Sand/Gravel/Cobble Shore**	
LKi32a	Sand Beach (Inland Lake)		LKu32a	Beachgrass Dune (Lake Superior)	
LKi32b	Gravel/Cobble Beach (Inland Lake)		LKu32b	Juniper Dune Shrubland (Lake Superior)	
LKi43	**Inland Lake Rocky Shore**		LKu32c	Sand Beach (Lake Superior)	
LKi43a	Boulder Shore (Inland Lake)		LKu32d	Beach Ridge Shrubland (Lake Superior)	
LKi43b	Bedrock Shore (Inland Lake)		LKu32e	Gravel/Cobble Beach (Lake Superior)	
LKi54	**Inland Lake Clay/Mud Shore**		**LKu43**	**Lake Superior Rocky Shore**	
LKi54a	Clay/Mud Shore (Inland Lake)		LKu43a	Dry Bedrock Shore (Lake Superior)	
LKi54b	Mud Flat (Inland Lake)		LKu43b	Wet Rocky Shore (Lake Superior)	
LKi54b1	*Saline Subtype*		*LKu43b1*	*Cobble Subtype*	
LKi54b2	*Non-Saline Subtype*		*LKu43b2*	*Bedrock Subtype*	

River Shore System

RVx32	**Sand/Gravel/Cobble River Shore**		**RVx43**	**Rocky River Shore**	
RVx32a	Willow Sandbar Shrubland (River)		RVx43a	Bedrock/Boulder Shore (River)	
RVx32b	Sand Beach/Sandbar (River)		*RVx43a1*	*Intermittent Streambed Subtype*	
RVx32b1	*Intermittent Streambed Subtype*		*RVx43a2*	*Permanent Stream Subtype*	
RVx32b2	*Permanent Stream Subtype*		**RVx54**	**Clay/Mud River Shore**	
RVx32c	Gravel/Cobble Beach (River)		RVx54a	Slumping Clay/Mud Slope (River)	
RVx32c1	*Intermittent Streambed Subtype*		RVx54b	Clay/Mud Shore (River)	
RVx32c2	*Permanent Stream Subtype*		*RVx54b1*	*Intermittent Streambed Subtype*	
			RVx54b2	*Permanent Stream Subtype*	

Upland Prairie System

UPn12	**Northern Dry Prairie**		**UPs13**	**Southern Dry Prairie**	
UPn12a	Dry Barrens Prairie (Northern)		UPs13a	Dry Barrens Prairie (Southern)	
UPn12b	Dry Sand - Gravel Prairie (Northern)		UPs13b	Dry Sand - Gravel Prairie (Southern)	
UPn12c	Dry Sand - Gravel Brush-Prairie (Northern)		UPs13c	Dry Bedrock Bluff Prairie (Southern)	
UPn12d	Dry Hill Prairie (Northern)		UPs13d	Dry Hill Prairie (Southern)	
UPn13	**Northern Dry Savanna**		**UPs14**	**Southern Dry Savanna**	
UPn13a	Dry Barrens Jack Pine Savanna (Northern)		UPs14a	Dry Barrens Oak Savanna (Southern)	
UPn13b	Dry Barrens Oak Savanna (Northern)		*UPs14a1*	*Jack Pine Subtype*	
UPn13c	Dry Sand - Gravel Oak Savanna (Northern)		*UPs14a2*	*Oak Subtype*	
UPn13d	Dry Hill Oak Savanna (Northern)		UPs14b	Dry Sand - Gravel Oak Savanna (Southern)	
UPn23	**Northern Mesic Prairie**		UPs14c	Dry Hill Oak Savanna (Southern)	
UPn23a	Mesic Brush-Prairie (Northern)		**UPs23**	**Southern Mesic Prairie**	
UPn23b	Mesic Prairie (Northern)		UPs23a	Mesic Prairie (Southern)	
UPn24	**Northern Mesic Savanna**		**UPs24**	**Southern Mesic Savanna**	
UPn24a	Mesic Oak Savanna (Northern)		UPs24a	Mesic Oak Savanna (Southern)	
UPn24b	Aspen Openings (Northern)				

Wetland Grasslands, Shrublands, and Marshes

Acid Peatland System

APn90	**Northern Open Bog**		**APn91**	**Northern Poor Fen**	
APn90a	Low Shrub Bog		APn91a	Low Shrub Poor Fen	
APn90b	Graminoid Bog		APn91b	Graminoid Poor Fen (Basin)	
APn90b1	*Typic Subtype*		APn91c	Graminoid Poor Fen (Water Track)	
APn90b2	*Schlenke Subtype*		*APn91c1*	*Featureless Water Track Subtype*	
			APn91c2	*Flark Subtype*	

Open Rich Peatland System

OPn81	**Northern Shrub Shore Fen**		**OPp91**	**Prairie Rich Fen**	
OPn81a	Bog birch - Alder Shore Fen		OPp91a	Rich Fen (Mineral Soil)	
OPn81b	Leatherleaf - Sweet Gale Shore Fen		OPp91b	Rich Fen (Peatland)	
OPn91	**Northern Rich Fen (Water Track)**		OPp91c	Rich Fen (Prairie Seepage)	
OPn91a	Shrub Rich Fen (Water Track)		**OPp93**	**Prairie Extremely Rich Fen**	
OPn91b	Graminoid Rich Fen (Water Track)		OPp93a	Calcareous Fen (Northwestern)	
OPn91b1	*Featureless Water Track Subtype*		OPp93b	Calcareous Fen (Southwestern)	
OPn91b2	*Flark Subtype*		OPp93c	Calcareous Fen (Southeastern)	
OPn92	**Northern Rich Fen (Basin)**				
OPn92a	Graminoid Rich Fen (Basin)				
OPn92b	Graminoid - Sphagnum Rich Fen (Basin)				
OPn93	**Northern Extremely Rich Fen**				
OPn93a	Spring Fen				

Wet Forest System

WFn74	**Northern Wet Alder Swamp**	
WFn74a	Alder - (Red Currant - Meadow-Rue) Swamp	

Forested Rich Peatland System

FPn73	**Northern Rich Alder Swamp**	
FPn73a	Alder - (Maple - Loosestrife) Swamp	

Wet Meadow/Carr System

WMn82	**Northern Wet Meadow/Carr**		**WMs83**	**Southern Seepage Meadow/Carr**	
WMn82a	Willow - Dogwood Shrub Swamp		WMs83a	Seepage Meadow/Carr	
WMn82b	Sedge Meadow		*WMs83a1*	*Tussock Sedge Subtype*	
WMn82b1	*Bluejoint Subtype*		*WMs83a2*	*Aquatic Sedge Subtype*	
WMn82b2	*Tussock Sedge Subtype*		*WMs83a3*	*Impatiens Subtype*	
WMn82b3	*Beaked Sedge Subtype*		**WMs92**	**Southern Basin Wet Meadow/Carr**	
WMn82b4	*Lake Sedge Subtype*		WMs92a	Basin Meadow/Carr	
			WMp73	**Prairie Wet Meadow/Carr**	
			WMp73a	Prairie Meadow/Carr	

Marsh System

MRn83	**Northern Mixed Cattail Marsh**		**MRp83**	**Prairie Mixed Cattail Marsh**	
MRn83a	Cattail - Sedge Marsh (Northern)		MRp83a	Cattail - Sedge Marsh (Prairie)	
MRn83b	Cattail Marsh (Northern)		MRp83b	Cattail Marsh (Prairie)	
MRn93	**Northern Bulrush-Spikerush Marsh**		**MRp93**	**Prairie Bulrush-Arrowhead Marsh**	
MRn93a	Bulrush Marsh (Northern)		MRp93a	Bulrush Marsh (Prairie)	
MRn93b	Spikerush - Bur Reed Marsh (Northern)		MRp93b	Spikerush - Bur Reed Marsh (Prairie)	
			MRp93c	Arrowhead Marsh (Prairie)	
MRu94	**Lake Superior Coastal Marsh**				
MRu94a	Estuary Marsh (Lake Superior)				

Wetland Prairie System

WPn53	**Northern Wet Prairie**		**WPs54**	**Southern Wet Prairie**	
WPn53a	Wet Seepage Prairie (Northern)		WPs54a	Wet Seepage Prairie (Southern)	
WPn53b	Wet Brush-Prairie (Northern)		WPs54b	Wet Prairie (Southern)	
WPn53c	Wet Prairie (Northern)		WPs54c	Wet Saline Prairie (Southern)	
WPn53d	Wet Saline Prairie (Northern)				